

Quarterly Report – Public Page

Date of Report: 3rd Quarterly Report – June 30, 2020

Contract Number: 693JK31910004POTA

Prepared for: DOT PHMSA and OTD Co-funders

Project Title: Subsurface Multi-Utility Asset Location Detection

Prepared by: Gas Technology Institute (GTI)

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For quarterly period ending: June 30, 2020

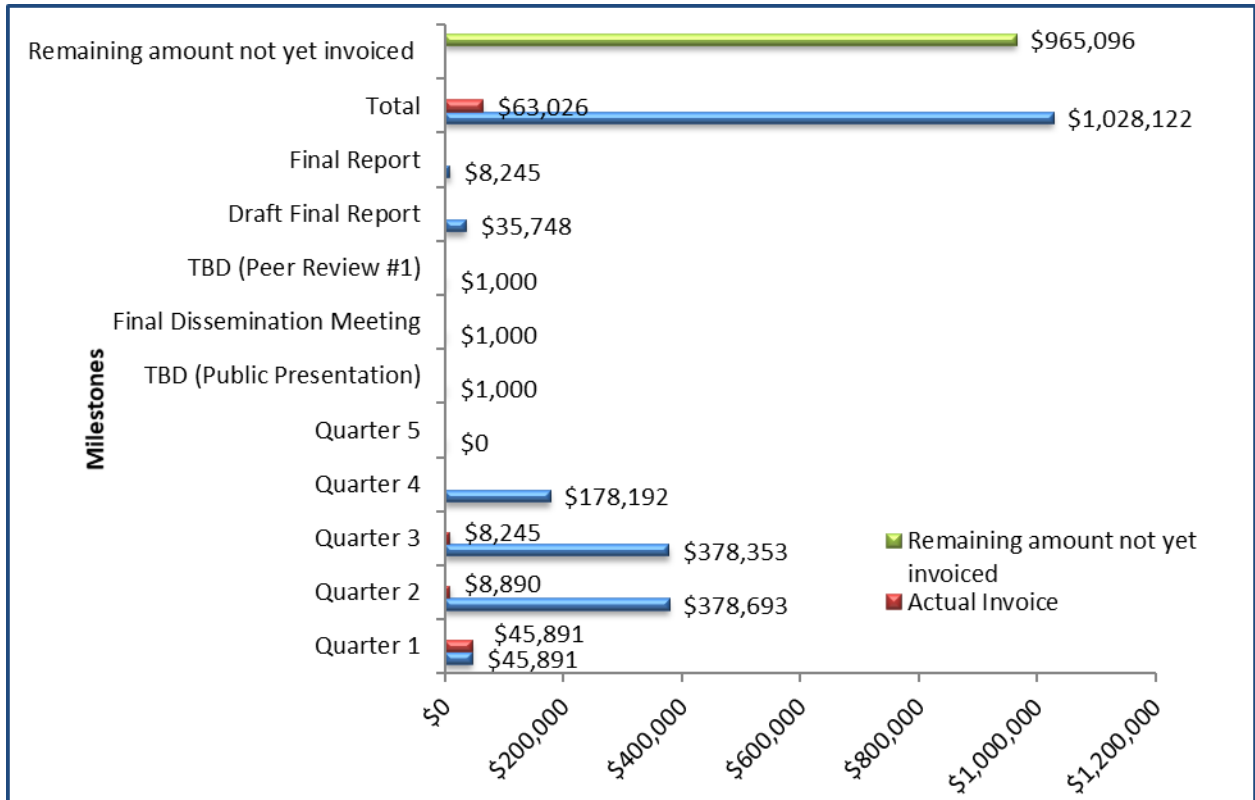
1: Items Completed During this Quarterly Period:

Item #	Task #	Activity/Deliverable	Title	Federal Cost	Cost Share
12	8	3rd Quarterly Status Report	Submit 3rd quarterly report	\$8,245.00	\$3,960.00

2: Items Not-Completed During this Quarterly Period:

8	2	Marker and Locator Technology Optimization	Evaluation of pre-production marker and housing runs	\$139,150.00	\$171,112.00
9	3	Attachment and Manufacturability Method Evaluation and Optimization	Pipe manufacturer integration trial ILPP production run.	\$82,500.00	\$123,044.00
10	4	ILPP, Marker, and Marker Attachment Testing	HDD and other field evaluation of ILPP samples at GTI site	\$73,977.00	\$33,795.00
11	5	Attachment and Manufacturability Method Evaluation and Optimization	Development of installation and operator training guidelines and videos with digital learning tools	\$74,481.00	\$98,136.00

3: Project Financial Tracking During this Quarterly Period:



Quarterly Payable Milestones/Invoices – Contract #693JK31910004POTA

4: Project Technical Status –

- [Items #8 - 11] Task 2, 3, 4, & 5 deliverables have not been completed during the 3rd Quarter.
 - The team is still holding discussions with a pipe extrusion company to participate in the ILPP project. Specifically, to assist with the tag attachment method in a manufacturing environment.
 - The team held additional meetings with the pipe extrusion company. In addition, the team has provided the extrusion company with past tag attachment testing results, pictures and videos from the HDD pulls, tag dimension details, and actual tags and pipe with tags attached.
 - The team has scheduled a web call with the TAP (OTD utility members) on July 9, 2020 to review the status of the project, comments/questions received by the pipe extruder, and to gain their insights and wants for the installation of the tags on the PE pipe. This voice of the customer insight will provide valuable direction to the project team and the potential pipe extrusion partner.

- Locator and Marker (Tag) optimization is continuing while the team works to secure a plastic pipe extrusion partner.
 - An updated locator that improves the user interface and adds features, e.g., GPS, Bluetooth, improved display, etc. has been developed and will launch in Q3, 2020. This development provides significant device operational improvements to further enhance underground detection of the locatable plastic pipe.
 - The tag aligned with the gas frequency is scaled up at 3M manufacturing and is available for sale and integration. Samples of the optimized tags were provided to the possible pipe extrusion partner for their evaluation.
- [Item # 12] Task 8 deliverable due in the 3rd quarter completed
 - The team completed and submitted the 3rd quarterly report

5: Project Schedule –

Task	Task Description	Q1	Q2	Q3	Q4	Q5
1	Project Scoping					
2	Marker and Locator Technology Optimization					
3	Attachment Method Optimization					
4	ILPP, Marker, and Marker Attachment Testing					
5	Utility Installations of Intrinsically Locatable Plastic Pipe					
6	Data Analysis and Reporting					
7	Project Management					
			Planned Activity			
			Completed Activity			